

A DOCPHOENIX

STIC INTERNAL

CRFD
Computer Readable Form Defective

CRFE 13
Computer Readable Form "ENTERED"

TC INTERNAL

SEQREQ
Sequence Problem Att. From Exr.

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/534,082A
Source: PCR
Date Processed by STIC: 8/15/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/534,082A

CRF Edit Date: 8/15/06
Edited by: h

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

J Corrected the SEQ ID NO. Sequence numbers edited were:

3

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



PCT

RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/534,082A

TIME: 13:18:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

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3 <110> APPLICANT: HINUMA, Shuji
4     KOBAYASHI, Makoto
5     HABATA, Yugo
6     HARADA, Masataka
7     OKUBO, Shoichi
8     YOSHIDA, Hiromi
9     NISHI, Kazunori
12 <120> TITLE OF INVENTION: A Novel Ligand For FPRL1 And Its Use
14 <130> FILE REFERENCE: 3118 USOP
16 <140> CURRENT APPLICATION NUMBER: US/10/534,082A
17 <141> CURRENT FILING DATE: 2005-05-05
19 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/014138
20 <151> PRIOR FILING DATE: 2003-11-06
22 <150> PRIOR APPLICATION NUMBER: JP 2002-324189
23 <151> PRIOR FILING DATE: 2002-11-07
25 <150> PRIOR APPLICATION NUMBER: JP 2002-367119
26 <151> PRIOR FILING DATE: 2002-12-18
28 <150> PRIOR APPLICATION NUMBER: JP 2003-59073
29 <151> PRIOR FILING DATE: 2003-03-05
31 <150> PRIOR APPLICATION NUMBER: JP 2003-191359
32 <151> PRIOR FILING DATE: 2003-07-03
34 <150> PRIOR APPLICATION NUMBER: PCT/JP03/14138
35 <151> PRIOR FILING DATE: 2003-11-06
37 <160> NUMBER OF SEQ ID NOS: 24
39 <210> SEQ ID NO: 1
40 <211> LENGTH: 13
41 <212> TYPE: PRT
42 <213> ORGANISM: Porcine
44 <400> SEQUENCE: 1
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46   1             5             10
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50 <211> LENGTH: 351
51 <212> TYPE: PRT
52 <213> ORGANISM: Homo sapiens
54 <400> SEQUENCE: 2
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61             20             25             30
64 Leu Gly Val Thr Phe Val Leu Gly Val Leu Gly Asn Gly Leu Val Ile
65             35             40             45
68 Trp Val Ala Gly Phe Arg Met Thr Arg Thr Val Thr Thr Ile Cys Tyr

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RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/534,082A

TIME: 13:18:45

Input Set : A:\PTO.AMC.txt

Output Set : N:\CRF4\08152006\J534082A.raw

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73 65      70      75      80
76 Leu Ile Val Ser Met Ala Met Gly Glu Lys Trp Pro Phe Gly Trp Phe
77      85      90      95
80 Leu Cys Lys Leu Ile His Ile Val Val Asp Ile Asn Leu Phe Gly Ser
81      100      105      110
84 Val Phe Leu Ile Gly Phe Ile Ala Leu Asp Arg Cys Ile Cys Val Leu
85      115      120      125
88 His Pro Val Trp Ala Gln Asn His Arg Thr Val Ser Leu Ala Met Lys
89      130      135      140
92 Val Ile Val Gly Pro Trp Ile Leu Ala Leu Val Leu Thr Leu Pro Val
93 145      150      155      160
96 Phe Leu Phe Leu Thr Thr Val Thr Ile Pro Asn Gly Asp Thr Tyr Cys
97      165      170      175
100 Thr Phe Asn Phe Ala Ser Trp Gly Gly Thr Pro Glu Glu Arg Leu Lys
101      180      185      190
104 Val Ala Ile Thr Met Leu Thr Ala Arg Gly Ile Ile Arg Phe Val Ile
105      195      200      205
108 Gly Phe Ser Leu Pro Met Ser Ile Val Ala Ile Cys Tyr Gly Leu Ile
109      210      215      220
112 Ala Ala Lys Ile His Lys Lys Gly Met Ile Lys Ser Ser Arg Pro Leu
113 225      230      235      240
116 Arg Val Leu Thr Ala Val Val Ala Ser Phe Phe Ile Cys Trp Phe Pro
117      245      250      255
120 Phe Gln Leu Val Ala Leu Leu Gly Thr Val Trp Leu Lys Glu Met Leu
121      260      265      270
124 Phe Tyr Gly Lys Tyr Lys Ile Ile Asp Ile Leu Val Asn Pro Thr Ser
125      275      280      285
128 Ser Leu Ala Phe Phe Asn Ser Cys Leu Asn Pro Met Leu Tyr Val Phe
129      290      295      300
132 Val Gly Gln Asp Phe Arg Glu Arg Leu Ile His Ser Leu Pro Thr Ser
133 305      310      315      320
136 Leu Glu Arg Ala Leu Ser Glu Asp Ser Ala Pro Thr Asn Asp Thr Ala
137      325      330      335
140 Ala Asn Ser Ala Ser Pro Pro Ala Glu Thr Glu Leu Gln Ala Met
141      340      345      350
143 <210> SEQ ID NO: 3
144 <211> LENGTH: 1053
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
149 <220> FEATURE:
150 <221> NAME/KEY: CDS
151 <222> LOCATION: (1)..(1053)
154 <400> SEQUENCE: 3
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156 Met Glu Thr Asn Phe Ser Thr Pro Leu Asn Glu Tyr Glu Glu Val Ser
157 1      5      10      15
159 tat gag tct gct ggc tac act gtt ctg cgg atc ctc cca ttg gtg gtg      96

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RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/534,082A

TIME: 13:18:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

160	Tyr	Glu	Ser	Ala	Gly	Tyr	Thr	Val	Leu	Arg	Ile	Leu	Pro	Leu	Val	Val	
161				20				25					30				
163	ctt	ggg	gtc	acc	ttt	gtc	ctc	ggg	gtc	ctg	ggc	aat	ggg	ctt	gtg	atc	144
164	Leu	Gly	Val	Thr	Phe	Val	Leu	Gly	Val	Leu	Gly	Asn	Gly	Leu	Val	Ile	
165			35					40					45				
167	tgg	gtg	gct	gga	ttc	cgg	atg	aca	cgc	aca	gtc	acc	acc	atc	tgt	tac	192
168	Trp	Val	Ala	Gly	Phe	Arg	Met	Thr	Arg	Thr	Val	Thr	Thr	Ile	Cys	Tyr	
169		50					55					60					
171	ctg	aac	ctg	gcc	ctg	gct	gac	ttt	tct	ttc	acg	gcc	aca	tta	cca	ttc	240
172	Leu	Asn	Leu	Ala	Leu	Ala	Asp	Phe	Ser	Phe	Thr	Ala	Thr	Leu	Pro	Phe	
173	65					70					75					80	
175	ctc	att	gtc	tcc	atg	gcc	atg	gga	gaa	aaa	tgg	cct	ttt	ggc	tgg	ttc	288
176	Leu	Ile	Val	Ser	Met	Ala	Met	Gly	Glu	Lys	Trp	Pro	Phe	Gly	Trp	Phe	
177				85						90					95		
179	ctg	tgt	aag	tta	att	cac	atc	gtg	gtg	gac	atc	aac	ctc	ttt	gga	agt	336
180	Leu	Cys	Lys	Leu	Ile	His	Ile	Val	Val	Asp	Ile	Asn	Leu	Phe	Gly	Ser	
181				100						105				110			
183	gtc	ttc	ttg	att	ggg	ttc	att	gca	ctg	gac	cgc	tgc	att	tgt	gtc	ctg	384
184	Val	Phe	Leu	Ile	Gly	Phe	Ile	Ala	Leu	Asp	Arg	Cys	Ile	Cys	Val	Leu	
185			115					120					125				
187	cat	cca	gtc	tgg	gcc	cag	aac	cac	cgc	act	gtg	agt	ctg	gcc	atg	aag	432
188	His	Pro	Val	Trp	Ala	Gln	Asn	His	Arg	Thr	Val	Ser	Leu	Ala	Met	Lys	
189		130					135					140					
191	gtg	atc	gtc	gga	cct	tgg	att	ctt	gct	cta	gtc	ctt	acc	ttg	cca	gtt	480
192	Val	Ile	Val	Gly	Pro	Trp	Ile	Leu	Ala	Leu	Val	Leu	Thr	Leu	Pro	Val	
193	145					150					155					160	
195	ttc	ctc	ttt	ttg	act	aca	gta	act	att	cca	aat	ggg	gac	aca	tac	tgt	528
196	Phe	Leu	Phe	Leu	Thr	Thr	Val	Thr	Ile	Pro	Asn	Gly	Asp	Thr	Tyr	Cys	
197					165					170					175		
199	act	ttc	aac	ttt	gca	tcc	tgg	ggg	acc	cct	gag	gag	agg	ctg	aag		576
200	Thr	Phe	Asn	Phe	Ala	Ser	Trp	Gly	Gly	Thr	Pro	Glu	Glu	Arg	Leu	Lys	
201				180						185				190			
203	gtg	gcc	att	acc	atg	ctg	aca	gcc	aga	ggg	att	atc	cgg	ttt	gtc	att	624
204	Val	Ala	Ile	Thr	Met	Leu	Thr	Ala	Arg	Gly	Ile	Ile	Arg	Phe	Val	Ile	
205			195					200					205				
207	ggc	ttt	agc	ttg	ccg	atg	tcc	att	gtt	gcc	atc	tgc	tat	ggg	ctc	att	672
208	Gly	Phe	Ser	Leu	Pro	Met	Ser	Ile	Val	Ala	Ile	Cys	Tyr	Gly	Leu	Ile	
209		210					215					220					
211	gca	gcc	aag	atc	cac	aaa	aag	ggc	atg	att	aaa	tcc	agc	cgt	ccc	tta	720
212	Ala	Ala	Lys	Ile	His	Lys	Lys	Gly	Met	Ile	Lys	Ser	Ser	Arg	Pro	Leu	
213	225					230					235					240	
215	cgg	gtc	ctc	act	gct	gtg	gtg	gct	tct	ttc	ttc	atc	tgt	tgg	ttt	ccc	768
216	Arg	Val	Leu	Thr	Ala	Val	Val	Ala	Ser	Phe	Phe	Ile	Cys	Trp	Phe	Pro	
217					245					250					255		
219	ttt	caa	ctg	gtt	gcc	ctt	ctg	ggc	acc	gtc	tgg	ctc	aaa	gag	atg	ttg	816
220	Phe	Gln	Leu	Val	Ala	Leu	Leu	Gly	Thr	Val	Trp	Leu	Lys	Glu	Met	Leu	
221				260						265				270			
223	ttc	tat	ggc	aag	tac	aaa	atc	att	gac	atc	ctg	gtt	aac	cca	acg	agc	864
224	Phe	Tyr	Gly	Lys	Tyr	Lys	Ile	Ile	Asp	Ile	Leu	Val	Asn	Pro	Thr	Ser	

RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/534,082A

TIME: 13:18:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

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227 tcc ctg gcc ttc ttc aac agc tgc ctc aac ccc atg ctt tac gtc ttt      912
228 Ser Leu Ala Phe Phe Asn Ser Cys Leu Asn Pro Met Leu Tyr Val Phe
229          290          295          300
231 gtg ggc caa gac ttc cga gag aga ctg atc cac tcc ctg ccc acc agt      960
232 Val Gly Gln Asp Phe Arg Glu Arg Leu Ile His Ser Leu Pro Thr Ser
233 305          310          315          320
235 ctg gag agg gcc ctg tct gag gac tca gcc cca act aat gac acg gct      1008
236 Leu Glu Arg Ala Leu Ser Glu Asp Ser Ala Pro Thr Asn Asp Thr Ala
237          325          330          335
239 gcc aat tct gct tca cct cct gca gag act gag tta cag gca atg      1053
240 Ala Asn Ser Ala Ser Pro Pro Ala Glu Thr Glu Leu Gln Ala Met
241          340          345          350
243 <210> SEQ ID NO: 4
244 <211> LENGTH: 351
245 <212> TYPE: PRT
246 <213> ORGANISM: Rat
248 <400> SEQUENCE: 4
249 Met Glu Ala Asn Tyr Ser Ile Pro Leu Asn Val Ser Glu Val Val Val
250          5          10          15
251 Tyr Asp Ser Thr Ile Ser Arg Val Leu Trp Ile Leu Thr Met Val Val
252          20          25          30
253 Leu Ser Ile Thr Phe Val Leu Gly Val Leu Gly Asn Gly Leu Val Ile
254          35          40          45
255 Trp Val Ala Gly Phe Arg Met Val His Thr Val Thr Thr Thr Cys Phe
256          50          55          60
257 Leu Asn Leu Ala Leu Ala Asp Phe Ser Phe Thr Val Thr Leu Pro Phe
258 65          70          75          80
259 Phe Val Ile Ser Ile Ala Met Lys Glu Lys Trp Pro Phe Gly Trp Phe
260          85          90          95
261 Leu Cys Lys Leu Val His Ile Val Val Asp Ile Asn Leu Phe Gly Ser
262          100          105          110
263 Val Phe Leu Ile Ala Leu Ile Ala Leu Asp Arg Cys Ile Cys Val Leu
264          115          120          125
265 His Pro Val Trp Ala Gln Asn His Arg Thr Val Ser Leu Ala Arg Lys
266          130          135          140
267 Val Val Val Gly Pro Trp Ile Leu Ala Leu Ile Leu Thr Leu Pro Ile
268 145          150          155          160
269 Phe Ile Phe Met Thr Thr Val Arg Ile Pro Gly Gly Asn Val Tyr Cys
270          165          170          175
271 Thr Phe Asn Phe Ala Ser Trp Gly Asn Thr Ala Glu Glu Leu Leu Asn
272          180          185          190
273 Ile Ala Asn Thr Phe Val Thr Val Arg Gly Ser Ile Arg Phe Ile Ile
274          195          200          205
275 Gly Phe Ile Met Pro Met Ser Ile Val Ala Ile Cys Tyr Gly Leu Ile
276          210          215          220
277 Ala Val Lys Ile His Arg Arg Ala Leu Val Asn Ser Ser Arg Pro Leu
278 225          230          235          240
279 Arg Val Leu Thr Ala Val Val Ala Ser Phe Phe Ile Cys Trp Phe Pro

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RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/534,082A

TIME: 13:18:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

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280          245          250          255
281 Phe Gln Leu Val Ala Leu Leu Gly Thr Ile Trp Phe Lys Glu Ser Leu
282          260          265          270
283 Phe Ser Gly Arg Tyr Lys Ile Leu Asp Met Trp Val His Pro Thr Ser
284          275          280          285
285 Ser Leu Ala Tyr Phe Asn Ser Cys Leu Asn Pro Met Leu Tyr Ala Phe
286          290          295          300
287 Met Gly Gln Asp Phe His Glu Arg Leu Ile His Ser Leu Pro Ser Ser
288 305          310          315          320
289 Leu Glu Arg Ala Leu Ser Glu Asp Ser Gly Gln Thr Ser Asp Thr Gly
290          325          330          335
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292          340          345          350
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295 <211> LENGTH: 1053
296 <212> TYPE: DNA
297 <213> ORGANISM: Rat
299 <400> SEQUENCE: 5
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302 gtgctgggta atggactagt gatctgggta gctggattcc ggatggtaga cactgtcacc 180
303 actacctgtt ttctgaatct agctttggct gacttctctt tcacagtga cctaccattc 240
304 tttgtcatct caattgctat gaaagaaaaa tggccttttg gatggttcct gtgtaaatta 300
305 gttcacattg tagtagacat aaacctcttt ggaagtgtct tcctgattgc ttttaattgcc 360
306 ttggaccgct gcatttgtgt cctgcatcca gtctgggctc agaaccacgc cactgtgagc 420
307 ctggctagga aggtggttgt tgggcctctg attttagctc tgattctcac tttgcccatt 480
308 tttattttca tgactacagt tagaattcct ggaggcaatg tgtactgtac attcaacttc 540
309 gcacacctgg gtaacactgc tgaagaacta ttgaacatag ctaacacttt tgtaacagtt 600
310 agaggagaca tcaggttcat tattggcttc ataatgccta tgtccattgt tgccatctgc 660
311 tatggactca tcgctgtcaa gatccacaga agagcacttg ttaattccag ccgtccatta 720
312 agagtcctta cagcagttgt ggcttccttc tttatctgtt ggtttcctt tcaactgggtg 780
313 gcccttttag gtacaatctg gtttaaagag tcattgttta gtggtcgtta caaaattctt 840
314 gacatgtggg ttcacccaac cagctcattg gcctacttca atagttgcct caatccaatg 900
315 ctctatgctt tcatgggcca ggactttcat gaaagactga ttcattccct gccttccagt 960
316 ctggagagag ccctgagtga ggactctggc caaaccagtg atacaggcat cagttctgct 1020
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320 <211> LENGTH: 351
321 <212> TYPE: PRT
322 <213> ORGANISM: Mouse
324 <400> SEQUENCE: 6
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326          5          10          15
327 Tyr Asp Ser Thr Ile Ser Arg Val Leu Trp Ile Leu Ser Met Val Val
328          20          25          30
329 Val Ser Ile Thr Phe Phe Leu Gly Val Leu Gly Asn Gly Leu Val Ile
330          35          40          45
331 Trp Val Ala Gly Phe Arg Met Pro His Thr Val Thr Thr Ile Trp Tyr
332          50          55          60

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VERIFICATION SUMMARY

DATE: 08/15/2006

PATENT APPLICATION: US/10/534,082A

TIME: 13:18:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

**Raw Sequence Listing before editing
(for reference only)**



PCT

RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/534,082A

TIME: 09:39:35

Input Set : A:\3118 us0p seq.txt

Output Set: N:\CRF4\08102006\J534082A.raw

3 <110> APPLICANT: HINUMA, Shuji
 4 KOBAYASHI, Makoto
 5 HABATA, Yugo
 6 HARADA, Masataka
 7 OKUBO, Shoichi
 8 YOSHIDA, Hiromi
 9 NISHI, Kazunori
 12 <120> TITLE OF INVENTION: A Novel Ligand For FPRL1 And Its Use
 14 <130> FILE REFERENCE: 3118 USOP
 16 <140> CURRENT APPLICATION NUMBER: US/10/534,082A
 17 <141> CURRENT FILING DATE: 2005-05-05
 19 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/014138
 20 <151> PRIOR FILING DATE: 2003-11-06
 22 <150> PRIOR APPLICATION NUMBER: JP 2002-324189
 23 <151> PRIOR FILING DATE: 2002-11-07
 25 <150> PRIOR APPLICATION NUMBER: JP 2002-367119
 26 <151> PRIOR FILING DATE: 2002-12-18
 28 <150> PRIOR APPLICATION NUMBER: JP 2003-59073
 29 <151> PRIOR FILING DATE: 2003-03-05
 31 <150> PRIOR APPLICATION NUMBER: JP 2003-191359
 32 <151> PRIOR FILING DATE: 2003-07-03
 34 <150> PRIOR APPLICATION NUMBER: PCT/JP03/14138
 35 <151> PRIOR FILING DATE: 2003-11-06
 37 <160> NUMBER OF SEQ ID NOS: 24

**Does Not Comply
Corrected Diskette Needed**

ERRORED SEQUENCES

143 <210> SEQ ID NO: 3
 144 <211> LENGTH: 1053
 145 <212> TYPE: DNA
 146 <213> ORGANISM: Homo sapiens
 149 <220> FEATURE:
 150 <221> NAME/KEY: CDS
 151 <222> LOCATION: (1)..(1053)
 E--> 154 <400> SEQUENCE: ①3<

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156 Met Glu Thr Asn Phe Ser Thr Pro Leu Asn Glu Tyr Glu Glu Val Ser	
157 1 5 10 15	
159 tat gag tct gct ggc tac act gtt ctg cgg atc ctc cca ttg gtg gtg	96
160 Tyr Glu Ser Ala Gly Tyr Thr Val Leu Arg Ile Leu Pro Leu Val Val	
161 20 25 30	
163 ctt ggg gtc acc ttt gtc ctc ggg gtc ctg ggc aat ggg ctt gtg atc	144

RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/534,082A

TIME: 09:39:35

Input Set : A:\3118 us0p seq.txt

Output Set: N:\CRF4\08102006\J534082A.raw

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167	tgg	gtg	gct	gga	ttc	cgg	atg	aca	cgc	aca	gtc	acc	acc	atc	tgt	tac	192
168	Trp	Val	Ala	Gly	Phe	Arg	Met	Thr	Arg	Thr	Val	Thr	Thr	Ile	Cys	Tyr	
169			50					55					60				
171	ctg	aac	ctg	gcc	ctg	gct	gac	ttt	tct	ttc	acg	gcc	aca	tta	cca	ttc	240
172	Leu	Asn	Leu	Ala	Leu	Ala	Asp	Phe	Ser	Phe	Thr	Ala	Thr	Leu	Pro	Phe	
173	65					70					75					80	
175	ctc	att	gtc	tcc	atg	gcc	atg	gga	gaa	aaa	tgg	cct	ttt	ggc	tgg	ttc	288
176	Leu	Ile	Val	Ser	Met	Ala	Met	Gly	Glu	Lys	Trp	Pro	Phe	Gly	Trp	Phe	
177					85					90					95		
179	ctg	tgt	aag	tta	att	cac	atc	gtg	gtg	gac	atc	aac	ctc	ttt	gga	agt	336
180	Leu	Cys	Lys	Leu	Ile	His	Ile	Val	Val	Asp	Ile	Asn	Leu	Phe	Gly	Ser	
181				100					105					110			
183	gtc	ttc	ttg	att	ggg	ttc	att	gca	ctg	gac	cgc	tgc	att	tgt	gtc	ctg	384
184	Val	Phe	Leu	Ile	Gly	Phe	Ile	Ala	Leu	Asp	Arg	Cys	Ile	Cys	Val	Leu	
185			115					120					125				
187	cat	cca	gtc	tgg	gcc	cag	aac	cac	cgc	act	gtg	agt	ctg	gcc	atg	aag	432
188	His	Pro	Val	Trp	Ala	Gln	Asn	His	Arg	Thr	Val	Ser	Leu	Ala	Met	Lys	
189			130					135					140				
191	gtg	atc	gtc	gga	cct	tgg	att	ctt	gct	cta	gtc	ctt	acc	ttg	cca	gtt	480
192	Val	Ile	Val	Gly	Pro	Trp	Ile	Leu	Ala	Leu	Val	Leu	Thr	Leu	Pro	Val	
193	145					150					155					160	
195	ttc	ctc	ttt	ttg	act	aca	gta	act	att	cca	aat	ggg	gac	aca	tac	tgt	528
196	Phe	Leu	Phe	Leu	Thr	Thr	Val	Thr	Ile	Pro	Asn	Gly	Asp	Thr	Tyr	Cys	
197					165					170					175		
199	act	ttc	aac	ttt	gca	tcc	tgg	ggg	acc	cct	gag	gag	agg	ctg	aag		576
200	Thr	Phe	Asn	Phe	Ala	Ser	Trp	Gly	Gly	Thr	Pro	Glu	Glu	Arg	Leu	Lys	
201				180					185					190			
203	gtg	gcc	att	acc	atg	ctg	aca	gcc	aga	ggg	att	atc	cgg	ttt	gtc	att	624
204	Val	Ala	Ile	Thr	Met	Leu	Thr	Ala	Arg	Gly	Ile	Ile	Arg	Phe	Val	Ile	
205			195					200					205				
207	ggc	ttt	agc	ttg	ccg	atg	tcc	att	gtt	gcc	atc	tgc	tat	ggg	ctc	att	672
208	Gly	Phe	Ser	Leu	Pro	Met	Ser	Ile	Val	Ala	Ile	Cys	Tyr	Gly	Leu	Ile	
209			210					215					220				
211	gca	gcc	aag	atc	cac	aaa	aag	ggc	atg	att	aaa	tcc	agc	cgt	ccc	tta	720
212	Ala	Ala	Lys	Ile	His	Lys	Lys	Gly	Met	Ile	Lys	Ser	Ser	Arg	Pro	Leu	
213	225					230					235					240	
215	cgg	gtc	ctc	act	gct	gtg	gtg	gct	tct	ttc	ttc	atc	tgt	tgg	ttt	ccc	768
216	Arg	Val	Leu	Thr	Ala	Val	Val	Ala	Ser	Phe	Phe	Ile	Cys	Trp	Phe	Pro	
217					245					250					255		
219	ttt	caa	ctg	gtt	gcc	ctt	ctg	ggc	acc	gtc	tgg	ctc	aaa	gag	atg	ttg	816
220	Phe	Gln	Leu	Val	Ala	Leu	Leu	Gly	Thr	Val	Trp	Leu	Lys	Glu	Met	Leu	
221				260					265					270			
223	ttc	tat	ggc	aag	tac	aaa	atc	att	gac	atc	ctg	gtt	aac	cca	acg	agc	864
224	Phe	Tyr	Gly	Lys	Tyr	Lys	Ile	Ile	Asp	Ile	Leu	Val	Asn	Pro	Thr	Ser	
225			275					280					285				
227	tcc	ctg	gcc	ttc	ttc	aac	agc	tgc	ctc	aac	ccc	atg	ctt	tac	gtc	ttt	912
228	Ser	Leu	Ala	Phe	Phe	Asn	Ser	Cys	Leu	Asn	Pro	Met	Leu	Tyr	Val	Phe	

RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/534,082A

TIME: 09:39:35

Input Set : A:\3118 us0p seq.txt

Output Set: N:\CRF4\08102006\J534082A.raw

229	290	295	300	
231	gtg ggc caa gac ttc cga gag aga ctg atc cac tcc ctg ccc acc agt	960		
232	Val Gly Gln Asp Phe Arg Glu Arg Leu Ile His Ser Leu Pro Thr Ser			
233	305	310	315	320
235	ctg gag agg gcc ctg tct gag gac tca gcc cca act aat gac acg gct	1008		
236	Leu Glu Arg Ala Leu Ser Glu Asp Ser Ala Pro Thr Asn Asp Thr Ala			
237	325	330	335	
239	gcc aat tct gct tca cct cct gca gag act gag tta cag gca atg	1053		
240	Ala Asn Ser Ala Ser Pro Pro Ala Glu Thr Glu Leu Gln Ala Met			
241	340	345	350	

VERIFICATION SUMMARY

DATE: 08/10/2006

PATENT APPLICATION: **US/10/534,082A**

TIME: 09:39:36

Input Set : **A:\3118 us0p seq.txt**

Output Set: **N:\CRF4\08102006\J534082A.raw**

L:154 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:3 differs:1